



TECHNICAL DATASHEET OF 50LTR ROTARY VACUUM EVAPORATOR

DESCRIPTION	NON GMP & NON FLP	
Movable Body / Chassis	MS Powder coated	
POWER SOURCE	ELE. Panel on Front Door with NON FLP Fittings	
Voltage Supply	440 V, 3Ph - 50/60Hz (But we will provide you Single Phase)	
Power Consumption	6.5 KW	
DRIVE, ELECTRIC CONTROL PANEL & INSTRUMENTS		
Drive Motor	AC synchronize Motor of any Reputed Make	
Rotation speed	10 to 135 RPM	
RPM Controlling	Soft Start and Controlled By VFD	
RPM Accuracy	1 RPM	
VFD Make	CROMPTON	
Safety Measures	MCB for Short Circuit and current overload protection for heater and VFD	
INDICATION OF INSTRUMENTS		
RPM Display	Digital on Individual Instrument	
BATH Temp & Controller	Digital Display with PID Controller	
Vapor Temp Indicator	Digital Display	
Time Totalizer	Digital Display	
Vacuum Controller	OPTIONAL IF REQUIRE AT EXTRA COST	
TEMPERATURE SENSORS		
Vapor Temperature	PT - 100, 3 wire	
Bath Temperature	PT - 100, 3 wire	
HEATING BATH		
Temperature Range	0-200 ° C	
Bath Heater power	6 KW	
Bath Heating Control	PID with PT-100, control accuracy +/-2 °C	
Bath Construction	Stainless steel 304 Jacketed for better Heat Resistance	
Bath Shape	Round Bath	
Flask Guard	Optional at extra cost- Anti Splashing Acrylic Hood for Rotary Flask	
Bath Lift Motor	AC Synchronize Motor of any Reputed Make	
Bath Movement	Top & Bottom Linear Movement Position Controlled by Limit switches	
	Limit Switch in Non FLP enclosure	
Castors Wheel	All four wheels with Lock [Double Wheels in one set of castor wheel]	
PLC & HMI Panel	OPTIONAL ON REQUEST WITH EXTRA COST	
GLASSWARES		
Evaporation Flask	50L - Qty 1no. [4" Neck]	
Receiver Flask	10L	
Coil Condenser	Vertical	
Product Cooler	1no.	
Interconnecting Pipes	1 Set	
Vapor Header	1 Set	
MATERIAL OF CONSTRUCTION		
Control Panel Enclosure	MS Powder coated	Aluminum Powder coated
Castors wheel	Made of Pressed steel, Bright Zinc plated with Double ball bearing & Wheel made of Thermoplastic Rubber - diameter 75mm- Hardness of Tread A87 Shore	
Evaporation Flask	Borosilicate Glass	
Receiver Flask	Borosilicate Glass	
Coil Condenser	Borosilicate Glass	
Product Cooler	Borosilicate Glass	
Interconnecting Pipes	Borosilicate Glass	
Vapor Header	Borosilicate Glass	
Vapor Tube	Glass Filled Teflon [GFT] - Non-Breakable	
Vacuum Sealing	Teflon Bellow Type Mechanical Seal & Ceramic Face	
Gaskets	PTFE	
Flanges	MS Powder coated	